

Appl. No. 10/591,060
Amendment dated October 29, 2010
Reply to September 16, 2010 Notice of Allowance

of adsorbent heat exchangers, besides the one through which the outdoor air passed, and then is supplied to a room again.

15. (Previously Presented) The air conditioning system according to claim 2, wherein

at system startup, a switching time interval between the adsorption process and the regeneration process in the adsorbent heat exchanger is made longer than that during normal operation.

16. (Previously Presented) The air conditioning system according to claim 13, wherein

a system startup operation is terminated after a predetermined period of time elapsed since system startup.

17. (Previously Presented) The air conditioning system according to claim 13, wherein

a system startup operation is terminated after a temperature difference between a target temperature of room air and a temperature of room air is equal to or below a predetermined temperature difference.

18. (Previously Presented) The air conditioning system according to claim 13, wherein

before a system startup operation starts, a temperature difference between a target temperature of room air and a temperature of room air is determined, and

when the temperature difference between the target temperature of room air and the temperature of room air is equal to or below a predetermined temperature, the system startup operation is prevented from being performed.

19-38. (Cancelled)

39. (New) The air conditioning system according to claim 2, wherein

the second utilization side refrigerant circuits are connected to a liquid connection pipe connected to a liquid side of the heat source side heat exchanger, and are connected to the inlet gas connection pipe.

40. (New) The air conditioning system according to claim 2, wherein the first utilization side refrigerant circuits and the second utilization side refrigerant circuits constitute an integrated utilization unit.

41. (New) The air conditioning system according to claim 40, wherein the utilization unit is configured to supply a room with air that was dehumidified or humidified in the adsorbent heat exchanger.

42. (New) The air conditioning system according to claim 40, wherein the utilization unit is configured to exchange heat through the air heat exchanger between refrigerant and air that was dehumidified or humidified in the adsorbent heat exchanger.

43. (New) The air conditioning system according to claim 2, further comprising
a pressure control mechanism connected to a gas side of the air heat exchanger and configured to control an evaporation pressure of refrigerant in the air heat exchanger when the air heat exchanger is caused to function as an evaporator that evaporates refrigerant.

44. (New) The air conditioning system according to claim 43, wherein when the air heat exchanger is caused to function as an evaporator that evaporates refrigerant, the evaporation pressure of refrigerant is controlled by the pressure control mechanism, based on a dew point temperature of room air.

45. (New) The air conditioning system according to claim 44, further comprising
a pressure detection mechanism configured to detect a refrigerant pressure in the air heat exchanger and an evaporation pressure of refrigerant, wherein